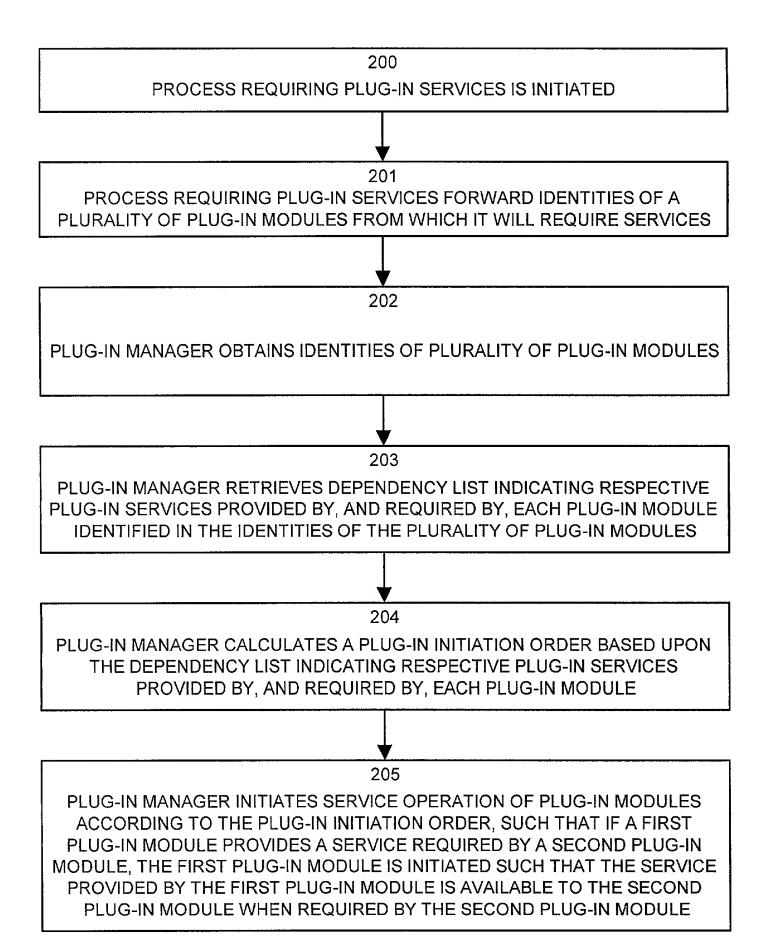


FIG. 1



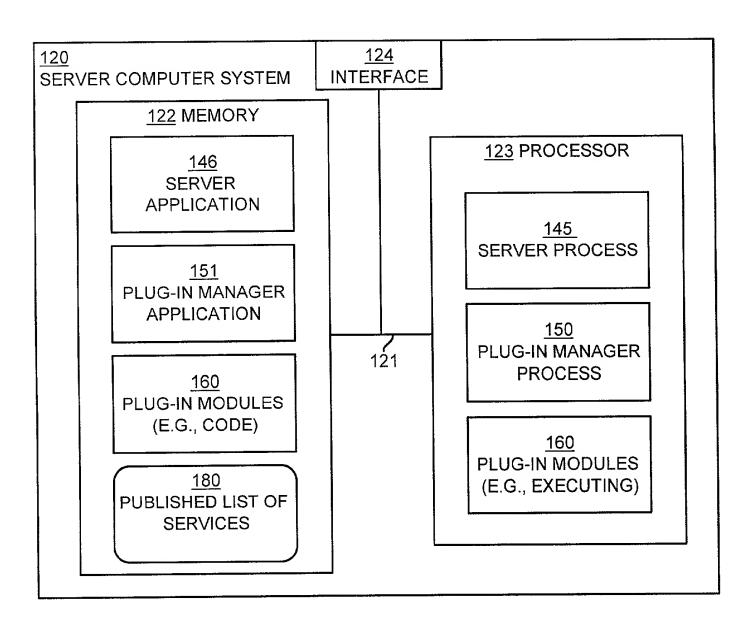


FIG. 3

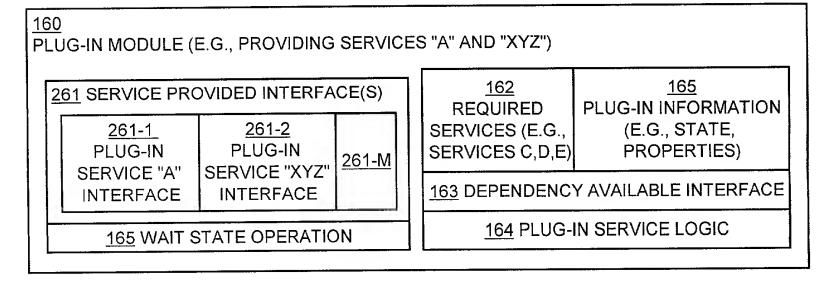


FIG. 4

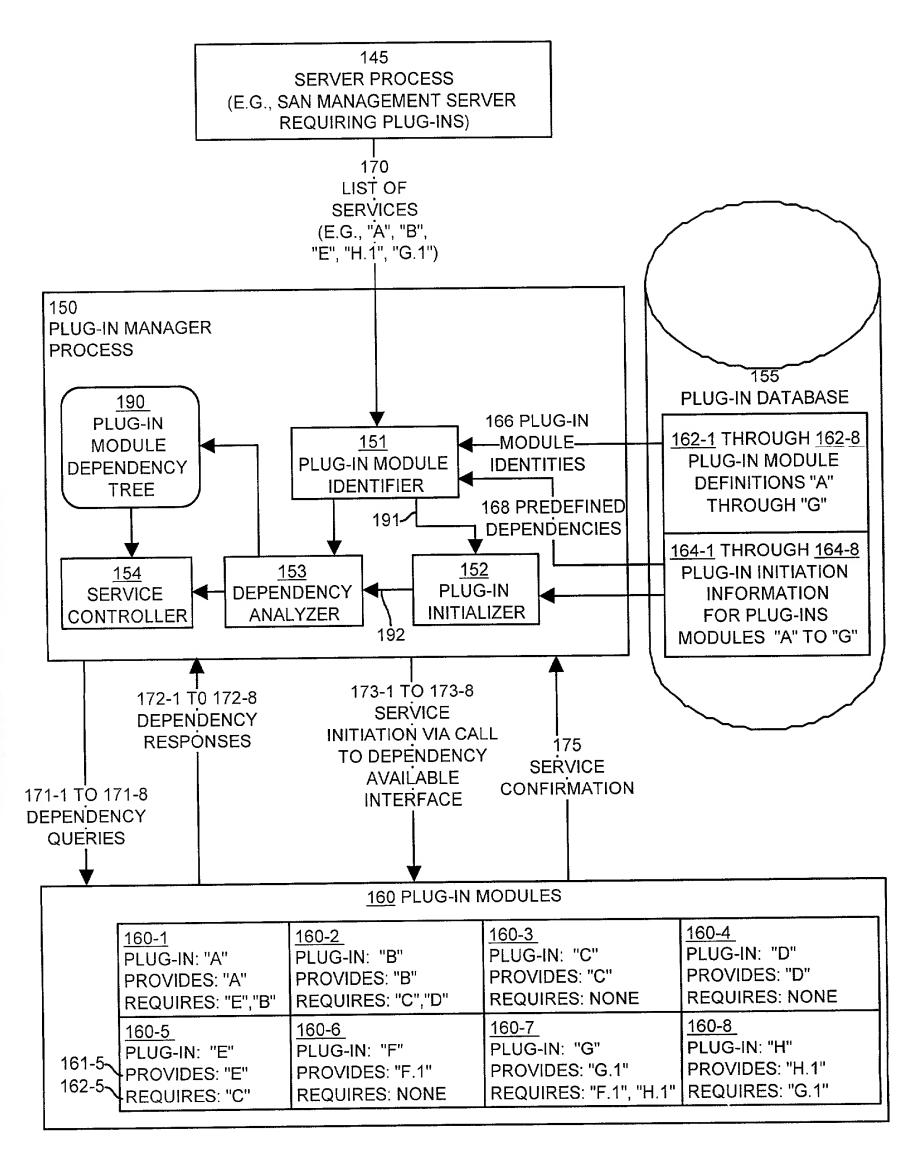


FIG. 5

300

SERVER PROCESS PROVIDES LIST OF SERVICES TO BE STARTED WITHIN THE COMPUTERIZED DEVICE (E.G., SERVER COMPUTER SYSTEM) IN WHICH IT OPERATES

301

PLUG-IN MODULE IDENTIFIER RECEIVES LIST OF SERVICES TO BE STARTED WITHIN THE SERVER COMPUTER SYSTEM

302

PLUG-IN MODULE IDENTIFIER DETERMINES, FOR EACH SERVICE IDENTIFIED IN LIST OF SERVICES, A RESPECTIVE PLUG-IN MODULE DEFINITION THAT CAN PROVIDE THAT SERVICE

303

(OPTIONAL) PLUG-IN MODULE IDENTIFIER ACCESSES ANY PREDEFINED DEPENDENCIES CONTAINED WITHIN PLUG-IN INITIATION INFORMATION

304

FOR EACH PLUG-IN MODULE IDENTIFIED IN THE IDENTITIES OF PLUG-IN MODULES

305

PLUG-IN INITIALIZER OBTAINS PLUG-IN INITIATION INFORMATION CORRESPONDING TO THE PLUG-IN MODULE DEFINITION ASSOCIATED WITH THE IDENTITY OF THE PLUG-IN MODULE

306

PLUG-IN INITIALIZER INSTANTIATES PLUG-IN MODULE BASED UPON THE PLUG-IN MODULE DEFINITION ASSOCIATED WITH THE IDENTITY OF THE PLUG-IN MODULE

307

PLUG-IN INITIALIZER PASSES THE PLUG-IN INITIATION INFORMATION TO THE INSTANTIATED PLUG-IN MODULE

308

PLUG-IN INITIALIZER QUERIES A DEPENDENCY INTERFACE ASSOCIATED WITH THE PLUG-IN MODULE USING A DEPENDENCY QUERY TO OBTAIN A DEPENDENCY RESPONSE FROM THE PLUG-IN MODULE

309

PLUG-IN INITIALIZER RECEIVES A DEPENDENCY RESPONSE FROM THE PLUG-IN MODULE

310

PLUG-IN INITIALIZER STORES THE IDENTITIES OF RESPECTIVE PLUG-IN SERVICES PROVIDED BY, AND REQUIRED BY, THE PLUG-IN MODULE, AS IDENTIFIED IN THE DEPENDENCY RESPONSE, WITHIN A DEPENDENCY LIST

TO STEP 311 IN FIG. 7

311

DEPENDENCY ANALYZER ARRANGES A PLACEMENT OF EACH PLUG-IN MODULE IDENTIFIED IN THE DEPENDENCY LIST WITH A PLUG-IN INITIATION ORDER SUCH THAT PLUG-IN MODULES NOT REQUIRING SERVICES PROVIDED BY OTHER PLUG-IN MODULES ARE PLACED EARLIER IN INITIATION ORDER AND SUCH THAT PLUG-IN MODULES REQUIRING SERVICES PROVIDED BY OTHER PLUG-IN MODULES ARE PLACED LATER IN THE INITIATION ORDER

312

DEPENDENCY ANALYZER ANALYZES THE DEPENDENCY LIST INDICATING RESPECTIVE PLUG-IN SERVICES PROVIDED BY, AND REQUIRED BY, EACH PLUG-IN MODULE IN ORDER TO DETERMINE WHICH PLUG-IN MODULES PROVIDE SERVICES RELIED UPON BY OTHER MODULES

313

DEPENDENCY ANALYZER CREATE AT LEAST ONE PLUG-IN MODULE DEPENDENCY TREE BASED ON DEPENDENCY ANALYSIS

314

SERVICE CONTROLLER TRAVERSES EACH PLUG-IN MODULES DEPENDENCY TREE ACCORDING TO THE HIERARCHICAL ARRANGEMENT OF NOTES AND, FOR EACH NODE ENCOUNTERED IN THE TRAVERSAL, INITIATES SERVICE OPERATION OF THE RESPECTIVE PLUG-IN MODULE ASSOCIATED WITH THAT NODE

315

SERVICE CONTROLLER DETERMINES, FROM A PUBLISHED LIST OF SERVICES AVAILABLE FOR USE, AN IDENTITY OF EACH INITIATED PLUG-IN SERVICE REQUIRED BY THE RESPECTIVE PLUG-IN MODULE

316

SERVICE CONTROLLER FORWARDS, TO THE RESPECTIVE PLUG-IN MODULE, VIA THE DEPENDENCY AVAILABLE INTERFACE ASSOCIATED WITH THAT RESPECTIVE PLUG-IN MODULE, THE IDENTITY OF EACH INITIATED PLUG-IN SERVICE REQUIRED BY THAT RESPECTIVE PLUG-IN MODULE

317

SERVICE CONTROLLER RECEIVES A LIST OF SERVICES INITIATED BY THE RESPECTIVE PLUG-IN MODULE

318

SERVICE CONTROLLER ADDS THE LIST OF SERVICES PROVIDED BY THE RESPECTIVE PLUG-IN MODULE TO THE PUBLISHED LIST OF SERVICES

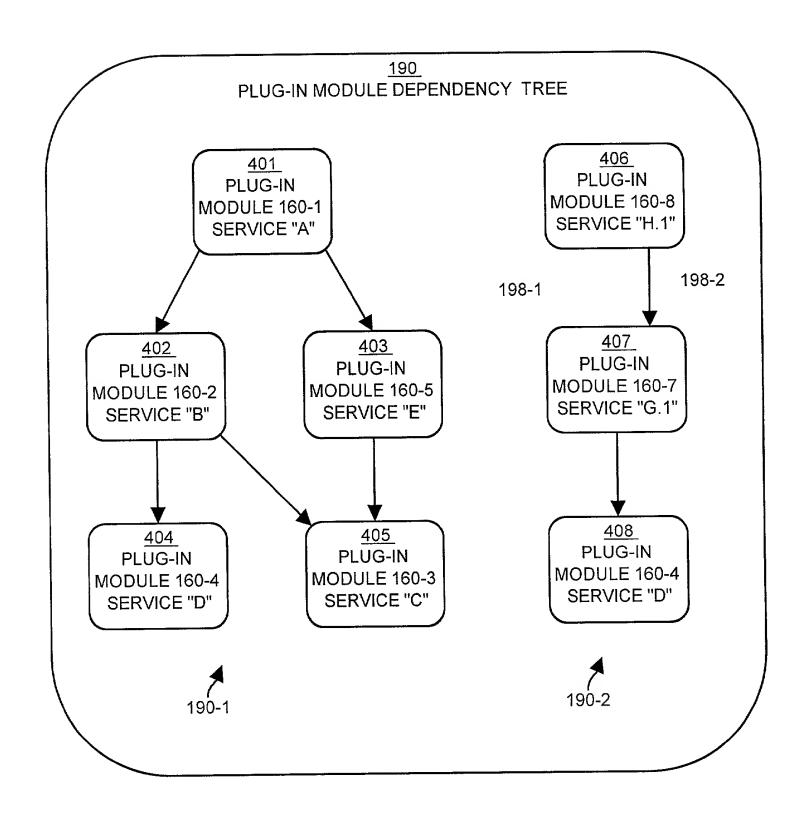


FIG. 8